

SUPSHIP JACKSONVILLE  
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-51JA  
DATE: 28 JUL 1998  
CATEGORY: I

1. SCOPE:

1.1 Title: Non-Hazardous Liquid Waste Removal; Naval Station Oily Waste/Waste Oil (OW/WO) Collection System, Government Sludge Barge or Donut, or Contractor-Furnished Sludge Barge/Container; accomplish

2. REFERENCES:

- a. Standard Items
- b. Standard Operating Manual for the Waste Oil Raft (NAVFAC MO-350)

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-09 of 2.a for the removal of non-hazardous liquid waste, sludge, and debris (including the assignment of contractor and subcontractor supervisory personnel and safety precautions), as identified in 3.2 through 3.10 and Coast Guard Operations Manual approved for your operation.

3.2 Comply with the following requirements to obtain authorization for pumping operations of non-hazardous liquid waste.

3.2.1 Deliver or FAX to Public Works Center (PWC) (542-3269) the original completed copy of the Waste Oil Transfer Authorization Sheet and Attachment A for authorization signatures on the day pumping operations are to be accomplished.

3.2.1.1 Submit or FAX two completed signed copies of the Waste Oil Transfer Authorization Sheet, one to the SUPERVISOR and one to the OW/WO Treatment Plant, prior to use of the OW/WO collection system.

3.2.1.2 The original signed copy of the Waste Oil Transfer Authorization Sheet and Attachment A shall be in custody of the contractor's on-site representative during pumping operations.

3.2.2 Submit two completed copies of Attachment B to the SUPERVISOR for off-base disposal.

(V)(G) "VERIFICATION OF INITIAL HOOK-UP"

3.2.3 Hook up discharge hoses to the pierside OW/WO collection system riser utilizing an in-line strainer.

3.2.3.1 Clear area of strainer shall be a minimum of 2-1/2 times the area of the connecting pipe.

3.2.3.2 Strainer basket shall be made of perforated steel with holes spaced to have a minimum of 40 percent open area and of a diameter that will not allow an object .250 inch in size to pass through.

3.2.3.3 Strainer containment unit shall have inspection covers to verify proper strainer basket size prior to pumping.

3.2.3.4 Obtain signatures of the SUPERVISOR's representative, the prime contractor, and the OW/WO Treatment Plant authorized representative on the original copy of Attachment A, to verify the inspection of the strainer for an acceptable hook-up.

3.3 Comply with the following requirements for pumping into the OW/WO collection system.

(V)(G) "VERIFICATION OF INITIAL HOOK-UP"

3.3.1 Identify and hook hoses to the contractor's containers (tank truck, sludge barge, or donut) and discharge hoses to the pierside OW/WO collection system in accordance with 3.2.3.

3.3.2 Pump non-hazardous liquid OW/WO Monday through Friday during normal working hours.

3.3.2.1 Normal working hours of pipeline are 0800 to 1500.

3.3.3 Pumping outside working hours shall require prior approval of the Senior Officer Present Afloat (SOPA) or his direct representative (270-5266).

3.3.3.1 Provide adequate lighting to ensure safety and detection of spills.

3.3.4 Obtain authorization from the OW/WO Treatment Plant operator and Naval Station Operations Officer 72 hours in advance if pumping is required outside normal working hours, Saturday, Sunday, or holidays. When 72-hour advance notice cannot be given, contact the Navy Public Works Center (PWC) Jacksonville Zone Mayport Manager (270-5189), PWC JAX Station Service Contractor (270-5450), and Naval Station Operations Officer (270-5266).

(V)(G) "VERIFY EMPTY CONTAINER"

3.3.5 Contractor container (tank, tank truck) shall be empty upon arrival at Mayport Naval Station, containing no hazardous/non-hazardous waste or residue.

3.3.6 Pumping into waste oil collection system shall not exceed 12,000 gallons per hour or 84,000 gallons per day.

3.3.7 Use centrifugal, reciprocating, or gear pumps which take a direct suction on the space to be pumped.

3.3.7.1 Eductor or jet pumps will be used only in emergency conditions with prior approval of PWC Jacksonville Zone Mayport Manager (270-5189), PWC JAX Station Service Contractor (270-5450), the Naval Station Operations Officer (270-5266), and the SUPERVISOR.

3.3.8 Station a watch at the appropriate lift station for the duration of pumping operations. Watch shall be in direct communication with the pumping unit and the pumping station, and is responsible for securing pumping operations under the following conditions:

3.3.8.1 Lift station wet well level exceeds six feet and/or the alarm sounds.

3.3.8.2 Lift station pump fails to start when level rises to three feet.

3.3.8.3 Lift station pump stops for any reason (loss of electricity, thermal overload, mechanical failure, etc.) other than low level.

3.3.8.4 Shut down the generating flow immediately and contact the PWC Jacksonville Zone Mayport Manager (270-5189), PWC JAX Station Service Contractor (270-5450), and the NAVSTA Command Duty Officer (270-5401).

3.3.9 Berth B-1 North connection shall be used for discharge of liquid waste from sludge barges only.

(V)(G) "VERIFICATION OF DISCONNECT"

3.3.10 Upon completion of pumping operation disassemble and clean strainer. Dispose of debris off station in a container labeled with contents and contractor's name in accordance with federal, state, and local regulations.

3.3.11 Containers departing from Mayport Naval Station in other than an empty state, shall be as authorized by the SUPERVISOR.

(V)(G) "LIQUID CONTENT/LEVEL"

3.3.12 Containers shall be jointly inspected with the SUPERVISOR and the container identification number, liquid content, and liquid level.

3.3.12.1 Record prior to departure from each worksite and the Naval Station.

3.4 Comply with the following requirements for pumping into a Government sludge barge.

(V)(G) "VERIFICATION OF INITIAL HOOK-UP"

3.4.1 Hook hoses to the Government sludge barge and discharge hoses to the pierside waste oil collection system in accordance with 3.2.3.

3.4.2 Notify Service Craft Division Duty Officer (270-5266) 24 hours prior to any requirement for a sludge barge.

(V)(G) "VERIFICATION THAT CONTAINER IS AT LOW SUCTION"

3.4.3 Prior to commencing pumping operation verify container is pumped to low suction. Pump non-hazardous waste from ship to donut or barge during normal working hours only. Comply with the requirements of 3.2.3 and 3.3.4 in the event it is necessary to pump outside normal working hours.

3.4.3.1 Normal working hours are 0800 to 1500.

3.4.3.2 Provide shut-off valve connected to the hose at the donut or barge.

3.4.4 Visually inspect donut (waste oil raft) for safe conditions of list, trim, and load attitude, and take sounding readings daily prior to pumping, using 2.b as guidance.

(V)(G) "VISUAL INSPECTION"

3.4.5 Visually inspect sludge barge for safe condition of list, trim, and load attitude prior to pumping.

3.4.5.1 Closely monitor the tank levels during pumping evolution as the sludge barges are not equipped with interconnecting tanks.

3.4.5.2 Submit one legible copy of a report to the SUPERVISOR listing inspection results.

3.4.6 Use centrifugal, reciprocating, or gear pumps which take a direct suction on the space to be pumped.

3.4.6.1 Eductor or jet pumps will be used only in emergency conditions with prior authorization of PWC Jacksonville Zone Mayport Manager (270-5189), PWC JAX Station Service Contractor (270-5450), the Naval Station Operations Officer (270-5266), and the SUPERVISOR.

3.4.7 Control pumping operations to maintain safe loading.

3.4.7.1 Station a watch at the pump and on the barge or donut with direct communication between them.

3.4.8 Load the donut, ensuring that safe list and trim attitudes are maintained during and upon completion of pumping, using 2.b as guidance.

3.4.9 Load the barge, ensuring that no tank is overfilled and that safe list and trim attitudes are maintained, using the following loading sequence:

3.4.9.1 Fill midships starboard tank to 50 percent full.

3.4.9.2 Fill midships port tank to 50 percent full.

3.4.9.3 Fill forward starboard tank to 50 percent full.

3.4.9.4 Fill after port tank to 50 percent full.

3.4.9.5 Fill forward port tank to 50 percent full.

3.4.9.6 Fill after starboard tank to 50 percent full.

3.4.9.7 Fill midships starboard tank to 90 percent full.

3.4.9.8 Fill midships port tank to 90 percent full.

3.4.9.9 Fill forward starboard tank to 90 percent full.

3.4.9.10 Fill after port tank to 90 percent full.

3.4.9.11 Fill forward port tank to 90 percent full.

3.4.9.12 Fill after starboard tank to 90 percent full.

3.4.10 Maintain a record for each ship where pumping operations are taking place. Record shall contain:

3.4.10.1 Date and time pumping operations commenced and ceased.

3.4.10.2 Name of contractor and employee in charge of pumping operations.

3.4.10.3 Submit one legible copy of the records to the SUPERVISOR.

3.4.11 Visually inspect the sludge barge for safe condition of list, trim, and load attitude upon completion of pumping.

3.4.11.1 Submit one legible copy of a report to the SUPERVISOR listing inspection results.

3.5 Dispose of non-hazardous liquid waste as follows:

3.5.1 Dispose of over-chlorinated water in accordance with federal, state, and local laws, codes, ordinances, and regulations, considering minimization as an alternative.

3.5.2 Dispose of CHT/boiler non-hazardous liquid waste as follows:

3.5.2.1 CHT/boiler non-hazardous liquid waste shall not be pumped into the bilge.

3.5.2.2 Discharge liquid waste to a pierside settling tank and test for pH.

3.5.2.3 Liquid waste that tests to a pH of less than 6.0 should be neutralized with  $\text{NaHCO}_3$  (sodium bicarbonate) and liquid waste that tests to a pH of greater than 8.0 should be neutralized with diluted acetic acid so that the pH will be 6.0 to 8.0.

3.5.2.4 Pump liquid waste with a pH of 6.0 to 8.0 from the settling tank to the Naval Station pierside sewage connection through a debris strainer. Debris strainer shall be constructed to allow for on-site verification of proper operation and shall be equipped with a sample connection on the discharge side. Strainer basket shall be made of perforated steel with holes spaced to have a minimum of 40 percent open area and of a diameter that will not allow an object .250 inch in size to pass through.

3.5.3 Disposal instructions other than 3.5.1 and 3.5.2 shall be provided by the invoking Work Item.

3.5.3.1 Prior to removal of non-hazardous waste from the Naval Station, submit four legible copies of a completed Attachment B to the SUPERVISOR.

3.5.3.2 Submit four legible copies of a certification of disposal signed by the owner or operator of the facility to the SUPERVISOR within 48 hours of disposition.

3.6 Control pumping operations to preclude spillage.

3.6.1 Install and maintain an oil containment boom throughout the entire availability (defined as five days after the start date of the availability or one day prior to the start of pumping operations, whichever comes first), unless otherwise directed by the SUPERVISOR.

3.6.2 Install the oil containment boom from the bow and stern to the pier when pumping is done on the pier side of the ship, except as follows:

3.6.2.1 Where hoses or connectors aboard the ship are located on the weather decks or area of the ship that would allow a spill to flow to the side opposite the pier, there shall be boom containment all around the ship.

3.6.3 The oil containment boom shall be maintained at the proper depth/height and leak proof.

3.6.3.1 Submit one legible copy of the specifications for the boom type to be deployed to the SUPERVISOR prior to deployment.

3.6.4 Report accidental spillages immediately to the Mayport Naval Station Command Duty Officer (270-5401), Operations Officer (270-5266), and the SUPERVISOR.

(V)(G) "VERIFICATION OF CONTENTS"

3.6.5 Each pumping operation shall have a spill clean-up kit consisting, as a minimum, of the following:

3.6.5.1 25-foot length booms (8 EA) with the ability to deploy for use.

3.6.5.2 24-inch by 24-inch absorbent pads in 4 bags (400 EA) or paper booms (200 feet).

3.6.5.3 50-pound bags of Oilsorb (8 EA).

3.6.6 Take immediate action to contain and clean up spillages.

3.6.7 Ensure hoses and hose connections do not leak.

3.6.8 Ensure valves are opened and closed by authorized contractor personnel only.

3.6.9 Perform a spill cleanup drill in accordance with the process control procedure provided in 3.1 (not to exceed more than one per pumping operation) by direction of the SUPERVISOR.

3.7 Secure pumping operations during Thunderstorm Condition I, Gale/Storm/Hurricane Condition I, or during local lightning conditions.

3.8 Remove and dispose of non-pumpable sludge and debris from tanks and strainers off the Naval Station in accordance with federal, state, and local laws, codes, ordinances, and regulations.

3.9 Provide chemical analysis of liquid waste and debris in accordance with applicable federal, state, and local codes, ordinances, and regulations, and Naval Station requirements.

3.9.1 One chemical analysis is required for each containment (Engine Rm, Space, etc.) or for each type of liquid (fuel oil, JP-5, etc.).

3.9.2 Submit four legible copies of the chemical analysis identifying the volume of the liquid each sample was taken from to the SUPERVISOR.

3.10 Remove and secure equipment and hoses. Clean area upon completion of pumping operations.

4. NOTES:

4.1 This item applies to non-hazardous liquid waste only.

4.2 Approval of pumping outside normal working hours will be through the SUPERVISOR.

4.3 No liquid waste or sludge (debris) from other pumping operations is to be combined with that covered by this item without prior written approval of the SUPERVISOR.

4.4 The SUPERVISOR will provide a Technical Certification Statement for each use of the OW/WO Collection System.



ATTACHMENT A

MEMORANDUM

From: SUPSHIP Jacksonville  
To: PWC JAX Mayport Zone Manager  
Subj: USE OF NAVSTA OW/WO PIER RISER SYSTEM

(PLEASE PRINT)

DATE	_____	SOURCE	_____
SHIP	_____	SUB KTR	_____
CONTRACTOR	_____	ITEM NR	_____
SURVEYOR	_____	DSR NR	_____

TECHNICAL CERTIFICATION STATEMENT

IN ACCORDANCE WITH PUBLIC WORKS CENTER JACKSONVILLE REQUIREMENTS AND APPLICABLE CODE OF FEDERAL REGULATIONS FOR DISPOSAL OF WASTE LIQUIDS, I CERTIFY THAT THE LAB ANALYSIS HAS BEEN REVIEWED AND IS SATISFACTORY FOR DISPOSAL THROUGH THE NAVSTA OW/WO PIER RISER SYSTEM.

\_\_\_\_\_  
SUPERVISORY SURVEYOR

ATTACHMENT B

I hereby declare that the waste oil transferred is as described on Attachment B and does not contain prohibited substances as listed on Attachment A, and in accordance with OPNAVINST 5090.1, I certify that no HM/HS/HW has been introduced into

\_\_\_\_\_ of USS \_\_\_\_\_  
SPACE(S) SHIP AND HULL NUMBER

by Ship's Force.

\_\_\_\_\_  
DATE SIGNATURE  
COMMANDING OFFICER'S AUTHORIZED  
REPRESENTATIVE

This is to certify that no HM/HS/HW has been introduced into

\_\_\_\_\_ of USS \_\_\_\_\_ by  
SPACE(S) SHIP AND HULL NUMBER

\_\_\_\_\_ during this availability.  
SUBCONTRACTOR

\_\_\_\_\_  
DATE SIGNATURE  
SUBCONTRACTOR'S AUTHORIZED  
REPRESENTATIVE

Work Item: \_\_\_\_\_ Serial No.: \_\_\_\_\_  
This is to certify that \_\_\_\_\_ tank truck,  
license number \_\_\_\_\_ is empty and contains no  
hazardous residue.

\_\_\_\_\_  
DATE SIGNATURE  
SUBCONTRACTOR'S AUTHORIZED  
REPRESENTATIVE

AUTHORIZATION STAMP (FOR OFF-BASE DISPOSAL)

\_\_\_\_\_  
CONTRACTOR

\_\_\_\_\_  
SOPA Approval for Operations Other  
than Normal working hours

\_\_\_\_\_  
TRUCK LICENSE NO.